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MONTANA OIL AND GAS STATISTICAL BULLETIN

1964

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XI, No. 12 McKEE PRINT DECEMBER, 1963

Production of crude oil and condensate from the oil and gas areas of Montana for the Month of December, 1963, averaged 83,837 barrels daily, an increase of 931 barrels from the average November production of 82,906.

The nine refineries in State processed 74,806 barrels of crude oil daily for the month of December, 1963, a decrease of 5,216 barrels from the 80,022 barrels processed daily during the month of November, 1963.

During December, 53 wells were completed, 19 oil, 0 gas wells and 34 dry holes.

During December, the commission issued 40 permits to drill new wells, an increase of 6 from the 34 permits issued during November.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA
MONTH OF DECEMBER, 1963

IN STORAGE DECEMBER 1st:	
By Producers	335,643
By Transporters	952,889
By Refiners	522,606
TOTAL STORAGE	1,811,138
Produced in Montana During Month	2,598,962
Imported During Month	1,344,591
TOTALS	5,754,691
DISPOSITION:	
Refined in Montana	2,318,998
Exported	1,586,981
Used for Fuel or Lost	15,218
TOTAL	3,921,197
IN STORAGE DECEMBER 31st:	
By Producers	340,101
By Transporters	926,949
By Refiners	566,444
TOTAL STORAGE	1,833,494

NATURAL GAS WITHDRAWALS IN MONTANA
Month of December, 1963

Field	M Cu. Ft.
Bears Den	0
Big Coulee	134,204
Bowdoin	342,523
Bowes	79,888
Cabin Creek	102,746
Cedar Creek	813,760
Cut Bank (including Reagan)	719,220
Devon	0
Dry Creek	188,024
Elk Basin	23,976
Flat Coulee	3,577
Gold Butte	0
Golden Dome	12,564
Grandview	0
Hardin	2,797
Keith Block	190,922
Kevin Sunburst	91,646
Middle Butte	28,973
Pine	60,062
Plevna	16,625
Utopia	117,773
Whitlash	74,654
Miscellaneous	14,557
TOTAL	3,018,491

Total Withdrawals for December, 1962 were 3,432,627 M Cu. Ft.

MONTANA SCHOOL OF MINES LIBRARY
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PRODUCERS REPORT—MONTH OF DECEMBER, 1963

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	844	2,097	.....	2,323	.....	618
5	Bannatyne	9	911	1,067	.....	1,023	.....	955
1	Bascom	1	202	286	387	.....	.....	101
5	Bear's Den	5	1,500	2,755	.....	3,058	.....	1,197
1	Belfry	1	185	371	.....	208	.....	348
1	Benrud	1	521	1,495	1,362	.....	.....	654
1	Benrud East	1	712	16,052	16,068	.....	.....	696
8	Big Wall	29	2,403	20,595	20,386	155	.....	2,457
7	Blackfoot	10	1,500	6,950	7,274	.....	.....	1,176
4	Border	4	41	805	.....	745	.....	101
1	Bowes	72	3,135	14,447	14,420	.....	.....	3,162
3	Bradley	3	702	1,153	826	.....	.....	1,029
1	Bredette North	1	989	145	577	.....	14	543
2	Cabin Creek	111	9,790	267,838	269,212	.....	.....	8,416
13	Cat Creek	91	3,114	21,523	22,104	.....	.....	2,533
1	Clark's Fork	1	213	374	.....	460	.....	127
1	Clark's Fork North	1	1,884	578	.....	306	.....	2,156
2	Conrad South	5	384	621	621	.....	.....	384
1	Cupton	1	1,330	656	.....	.....	.....	1,986
138	Cut Bank	1,110	112,322	151,381	152,183	.....	2	111,518
3	Deer Creek	4	1,368	7,627	7,310	.....	.....	1,685
1	Delphia	1	687	643	.....	791	.....	539
....	Devil's Basin	....	1,194	.....	.....	.....	.....	1,194
4	Dry Creek	4	917	451	555	.....	.....	813
20	Dwyer	21	8,505	49,978	48,987	.....	.....	9,496
8	Elk Basin	58	2,859	281,488	281,113	.....	.....	3,234
1	Fertile Prairie	1	482	1,498	1,138	.....	.....	842
5	Flat Coulee	23	5,801	41,873	.....	41,943	.....	5,731
2	Frannie	2	.....	1,917	.....	1,917	.....	.....
6	Fred & George Creek	7	589	70,101	68,280	.....	225	2,185
1	Gage	1	308	224	141	.....	.....	391
4	Gas City	28	5,261	80,702	77,988	2,343	.....	5,632
6	Glendive	11	1,793	35,576	25,308	10,793	.....	1,268
8	Goose Lake	9	1,652	20,933	.....	18,776	.....	3,809
7	Graben Coulee	15	4,341	7,533	7,731	.....	.....	4,143
5	Gypsy Basin	6	2,801	3,871	2,997	.....	.....	3,675
1	Hibbard	1	176	823	.....	806	.....	193
9	Ivanhoe	16	3,471	29,513	29,926	.....	62	2,996
6	Keg Coulee	15	3,518	22,287	22,818	.....	.....	2,987
138	Kevin Sunburst	856	15,570	44,639	44,451	.....	.....	15,758
2	Little Beaver	24	2,955	28,448	27,954	322	.....	3,127
3	Little Beaver East	19	2,515	23,978	23,870	.....	.....	2,623
3	Lone Tree	3	843	4,949	.....	4,659	.....	1,133
25	Lookout Butte	71	4,572	169,736	163,567	4,685	.....	6,056
....	Mackay Dome	....	770	.....	.....	.....	.....	770
2	Melstone	4	1,524	3,566	3,939	.....	.....	1,151
6	Monarch	16	4,178	14,505	11,964	2,806	.....	3,913
2	Mosser	2	.....	400	.....	400	.....	.....
1	Musselshell	1	308	122	.....	.....	.....	430
7	Outlook	11	6,238	31,853	32,213	.....	.....	5,878
3	Outlook South	3	2,326	1,896	1,703	.....	.....	2,519
55	Pennel	92	5,190	205,074	206,143	.....	.....	4,121
4	Pine	134	5,503	345,802	334,420	795	.....	16,090
75	Pondera	322	7,525	32,938	32,106	.....	.....	8,357
2	Pondera Coulee	2	.....	370	370	.....	.....	.....
5	Poplar East	83	14,743	127,972	131,966	.....	.....	10,749
4	Poplar Northwest	5	2,567	1,910	2,573	.....	.....	1,904
7	Ragged Point	19	2,795	8,718	9,297	.....	.....	2,216
3	Reagan	47	3,273	19,560	20,303	.....	.....	2,530
9	Red Creek	23	3,538	45,483	44,660	.....	.....	4,361
1	Redstone	1	676	992	1,420	.....	.....	248
1	Repeat	1	252	1,430	.....	1,373	.....	309
5	Richey	9	2,927	4,791	5,019	.....	.....	2,699
6	Richey Southwest	7	3,200	20,283	.....	20,660	.....	2,823
4	Sand Creek	5	3,833	9,208	10,453	.....	.....	2,588
7	Sidney-Brorson	7	3,469	5,291	.....	4,588	11	4,161
....	Snyder	....	1,897	.....	.....	.....	45	1,852
5	Soap Creek	9	2,128	3,859	201	1,302	.....	4,484
2	Spring Lake	3	3,651	15,882	.....	16,809	.....	2,724
2	Stensvad	20	7,481	40,474	42,224	.....	.....	5,731
30	Sumatra	95	15,432	126,957	130,107	.....	370	11,912
7	Tule Creek	8	2,755	55,065	55,481	.....	.....	2,339
2	Vida	2	649	3,529	3,811	.....	.....	367
10	Whitlash	29	6,810	8,043	1,069	6,224	.....	7,560
1	Whitlash West	1	670	198	728	.....	.....	140
9	Wolf Springs	16	3,862	12,165	11,324	.....	.....	4,703
4	Woodrow	6	258	8,679	8,617	.....	.....	320
1	Wildcat, Liberty Cty	1	.....	360	.....	181	.....	179
1	Wildcat, Roosevelt Cty	1	355	1,610	.....	1,659	.....	306
748		3,642	335,643	2,598,962	2,441,665	152,110	729	340,101

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1962	31,647,507	86,705	31,739,123	86,956
First Quarter, 1963	7,700,475	86,522	7,645,115	85,900
Second Quarter, 1963	7,698,583	84,600	7,718,750	84,821
Third Quarter, 1963	7,777,639	84,539	7,792,867	84,705
October, 1963	2,606,811	84,090	2,610,178	84,199
November, 1963	2,487,183	82,906	2,491,842	83,061
December, 1963	2,598,962	83,837	2,593,775	83,670

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1962	350,355	917,246	595,843	1,863,444
March, 1963	391,644	915,187	407,232	1,714,063
June, 1963	367,601	901,594	396,726	1,665,921
September, 1963	348,051	888,150	385,329	1,621,530
October, 1963	341,635	931,630	544,252	1,817,517
November, 1963	335,643	952,889	522,606	1,811,138
December, 1963	340,101	926,949	566,444	1,833,494

*Includes Wyoming Oil.

TRANSPORTER'S REPORT—MONTH OF DECEMBER, 1963

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,323				2,323		
BANNATYNE—Truck			1,023					1,023	
BEAR'S DEN—Truck			3,058					3,058	
BELFRY—Truck			208				208		
BIG WALL—McWood Corp.			155			155			
Glacier Pipeline Co.		20,483				20,483			
		20,483	155			20,638			
BLACKFOOT—Union Oil Co.		7,274						7,274	
BORDER—Truck			745				745		
BOWES—Texaco, Inc.		14,420				14,420			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	329,400	870,439		689,698			1,562,584		326,953
Shell Pipeline Corp.	4,117	368,812	5,296		304			369,036	8,885
	333,517	1,239,251	5,296	689,698	304		1,562,584	369,036	335,838
CAT CREEK									
Glacier Pipeline Co.		19,871				19,871			
CLARK'S FORK—Truck			766				766		
CUT BANK									
Darling Gathering System, Inc.	6,909	6,247			138			3,204	9,814
Glacier Pipeline Co.				147,882		147,882			
Phillips Petroleum Co.	41,367	49,155		27,060	1,072	57,954		40,196	18,360
Texas Pipeline Co.	17,247	24,874		17,398	(24)			42,682	16,861
Teton Pipeline Corp.	59,648	28,708		69,991	278			136,563	21,506
Union Oil Co.	73,089	66,494		18,034	(530)	73,170			84,977
	198,260	175,478		280,365	934	279,006		222,645	151,518
DELPHIA—Truck			791			791			
DRY CREEK—									
Marathon Pipeline Co.	7,177	555			368				7,364
DWYER—Hunt Petroleum Corp.		48,041					48,041		
ELK BASIN—Marathon Pipeline Co.		280,135				280,135			
FLAT COULEE—Truck			41,943					41,943	
FRANNIE—Marathon Pipeline Co.			1,917				1,917		
GAGE—Glacier Pipeline Co.		245				245			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	10,742	51,689	10,793		1,024		25,549	40,409	6,242
GOOSE LAKE—Truck			18,776				18,776		
HIBBARD—Truck			806			806			
IVANHOE—Glacier Pipeline Co.		29,917				29,917			
KEG COULEE—									
Glacier Pipeline Co.		22,824				22,824			
KEVIN SUNBURST—									
Big West Oil Co.	10,124	26,906		65,813		98,080			4,763
Homestake Oil & Gas Co.	5,513	2,263		3,204	423	7,548			3,009
Texas Pipeline Co.	7,368	15,282			384			14,879	7,387
	23,005	44,451		69,017	807	105,628		14,879	15,159
LONE TREE—Truck			4,659				4,659		
MELSTONE—									
Glacier Pipeline Co.		3,488				3,488			
MOSSER—Truck			400				400		
PONDERA—Phillips Petr. Co.	23,499	34,361		40,196	305	69,125			28,646
POPLAR, BENRUD, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY & TULE CREEK									
East Poplar Gathering System	4,157	246,850			204			235,177†	15,626
RAGGED POINT—									
Glacier Pipeline Co.		8,497				5,976	2,521		
RED CREEK—Teton Pipeline Co.		49,294			493			48,801	
SIDNEY-BRORSON									
McWood Corp.	6,073		32,276	957	157			32,443	6,706
SOAP CREEK—McWood Corp.	6,713		1,302	1,816		7,646			2,185
SPRING LAKE—Truck			16,809				16,809		
SUMATRA AND STENSVAD—									
Glacier Pipeline Co.	339,746	172,866		485,849	9,028	336,216	295,552		357,665
WHITLASH—Truck		1,797	6,224					8,021	
WOLF SPRINGS—									
Glacier Pipeline Co.		11,331				11,331			
WILDCAT WELLS—									
Roosevelt County			1,840				1,840		
TOTALS	952,889	2,483,138	152,110	1,567,898	13,624	1,208,063	1,982,690	1,024,709	926,949

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat and Richey

†Transferred to Butte Pipeline Company.

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Montana School of Mines
Office of the President
Butte, Montana

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF DECEMBER, 1963

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Rfg. Co.	Jet Fuel Refinery	Petrofuels Ref. Co. Inc.	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall		155		20,483						20,638
Blackfoot									7,274	7,274
Bowes			14,608							14,608
Cat Creek		18,424				2,358				20,782
Cut Bank		62,903						77,154	27,575	167,632
Delphia						950				950
Dry Creek				97						97
Elk Basin		110,834		79,455	89,845					280,134
Flat Coulee	33,903								5,077	38,980
Fred & George Creek	19,142	11,665								30,807
Hibbard						1,258				1,258
Ivanhoe		8,881		414	24,714					34,009
Keg Coulee				22,818						22,818
Kevin Sunburst	7,068								37,383	44,451
Melstone				3,488						3,488
Pondera								50,832		50,832
Ragged Point		4,979		1,664						6,643
Red Creek					48,801					48,801
Richey, S. W.							20,660			20,660
Soap Creek		7,646								7,646
Sumatra & Stensvad		29,931		108,297						138,228
Wolf Springs					13,671					13,671
Total Montana Oil	60,113	255,418	14,608	236,716	177,031	4,566	20,660	127,986	77,309	974,407
Canadian Oil Imported		70,199			89,250					159,449
Wyoming Oil Imported		203,000		280,472	698,881	2,789				1,185,142
Total Montana, Canadian & Wyoming Oil	60,113	528,617	14,608	517,188	965,162	7,355	20,660	127,986	77,309	2,318,998

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1962	30,616	728	45,775	77,119
December, 1962	34,361	4,050	37,500	75,911
December, 1963	31,432	5,144	38,230	74,806

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1962	39.69%	.96%	59.35%
December, 1962	45.26%	5.35%	49.39%
December, 1963	42.01%	6.89%	51.10%